

MARINE CHEMIST CERTIFICATE

SERIAL NO. B134501

SBA S.Y. STELLART TRANSPORTATION 5-8-85
Survey Requested by Vessel Owner or Agent Date
ELIZABETH S TANK BARGE SBA/JENNINGS LA
Vessel Type of Vessel Specific Location of Vessel
ASPHALT SW Comb 11:15 AM
Last Three (3) Cargoes Test Method Time Survey Completed

BOW RAKE - HYDRAULIC OIL ON WATER - SAFE FOR WORKERS

CARGO TANKS
1-2-3-4-5 P/S - 0% LEL - ASPHALT BOTTOMS - SAFE FOR WORKERS
SAFE FOR HOTWORK FOR DECK PENETRATIONS
WITH FIRE WATCH AND CHARGED FIRE HOSE
ON STAND-BY.

WING VOID D.B.¹⁰
NO. 1 P/S - 3 P/S - 0% LEL - ASPHALT BOTTOMS - SAFE FOR WORKERS
NO. 1 S - 0% LEL - SOME HEATING COIL OIL ON BOTTOM - SAFE FOR WORKERS

NO. 2 P/S - 0% LEL - COAL TAR BOTTOMS - VENTILATION NEEDED
FOR ENTRY

Pump Room - SAFE FOR WORKERS - COFFERDAMS 4) - SAFE FOR WORKERS

DOUBLE BOTTOMS & Pump Room - SAFE FOR HOTWORK TO WELD
SUPPORT FOR DRILL ON EXTERNAL BOTTOM SHELL PLATE.
FIRE WATCH WITH CHARGED FIRE HOSE READ. ON STAND-BY

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306-1980, Subsections 1-6.1 through 1-6.4, and Subsection 5-3.2).

SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements of Safe for Workers has not been met.

SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

SAFE FOR REPAIR YARD ENTRY: Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or (b) are inerted.

CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306-1980 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-3 of NFPA 306-1980 and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed

Name

Company

Date

Signed

Marine Chemist

Certificate No.

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

Survey Requested by SBA S-Y. Vessel Owner or Agent STEUBERT TRANSPORTATION CO. Date 1-7-87
Vessel STC 008 Type of Vessel TANK BARGE Specific Location of Vessel SBA/JENNINGS, LA.
Last Three (3) Cargoes ASPHALT Test Method O₂/LEL/VISUAL Time Survey Completed 4:15 PM

PORTABLE AIR VENTILATION REQUIRED IN WORK TANK.

BOW RAKE
STERN RAKE

AFTER HOT OIL TANKS P/S SAFE FOR WORKERS
AFTER DIESEL OIL TANKS P/S SAFE FOR HOTWORK

ENGINE - BOILER ROOM

DOUBLE BOTTOMS
No. 1 & 2 P/S - SAFE FOR WORKERS - SAFE FOR HOTWORK

CARGO TANKS - SAFE FOR WORKERS - SAFE FOR HOTWORK
No. 1-2-3-4 P/S FIREWATCH WITH CHARGED FIREHOSE
REQUIRED AT WORK LOCATION.

DECK HOT OIL TANK - OIL - NOT SAFE FOR HOTWORK.

HOT OIL COILS - SAFE FOR HOTWORK

CARGO LINES - SAFE FOR HOTWORK TO BURN BOLTS, AND DROP VALVES
AND THEN SAFE FOR HOTWORK ON LINES.

DEEP WELLS (2) - NOT SAFE FOR HOTWORK. - ISOLATED -

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CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-3 of NFPA 306 and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed Louis Smachail SBA 1-7-87 Signed Kenneth A. Moser 577
Name Date Marine Chemist Certificate No.

WIO. # 1105

SBA S.V.

STEWART TRANSPORTATION

12-19-88

Survey Requested by

Vessel Owner or Agent

Date

AUNTIE MAME

TANK BARGE

SBA/JENNINGS

Vessel

Type of Vessel

Specific Location of Vessel

ASPHALT

O2/LEL/Visual

10:30 AM

Last Three (3) Cargoes

Test Method

Time Survey Completed

BOW RAKE — 0% LEL SAFE FOR WORKERS
LOOSE MAGNAKOTE ON BOTTOM

CARGO TANKS

No. 1-2-3-4-5 P/S — SAFE FOR WORKERS
SAFE FOR HOTWORK TO BURN HOLES
IN DECK WITH FIRE RETARDANT
CLOTH UNDERNEATH TO CATCH FIRE AND
FIREWATCH WITH CHARGED FIREAXE ON
STAND-BY.

PUMP ROOM — LOOSE SOFT ASPHALT — 0% LEL
OFFERDAM — SOFT ASPHALT ON BOTTOM — 0% LEL
WING VOIDS No. 1-2-3 P/S — SOFT ASPHALT ON BOTTOM — 0% LEL

DOUBLE BOTTOMS — CLOSED & SECURED

FUEL TANKS — FULL

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CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2.3 of NFPA 306 and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed

Name

Company

Date

Signed

Marine Chemist

Certificate No

MARINE CHEMISTS, INC. OF TEXAS
P.O. BOX 3602 BEAUMONT, TEXAS 77704
(409) 832-6409, 866-4822, 866-4223
W. B. HATAWAY 537 K. L. MERCER 577

MARINE CHEMIST CERTIFICATE
SERIAL NO. E 54817

Survey Requested by SBA SHIPYARD Vessel Owner or Agent Stewart Transport Date 3-9-90
Vessel ELIZABETH S Type of Vessel TANK BARGE Specific Location of Vessel SBA MERMONTA
Last Three (3) Cargoes ASPHALT Tests Performed O₂ / LEL / VISUAL Time Survey Completed 4:00 PM

AFTER PUMP ROOM — SAFE FOR WORKERS
FOREPEAK — SAFE FOR HOT WORK
CHAIN LOCKER — FIREWATCH WITH CHARGED
PORT AFT FUEL TANK — FIREHOSE REQUIRED

CARGO TANKS 3P4S, 5P — WITH WATER OVER
HARD ASPHALT
SAFE FOR HOT WORK
SAFE FOR WORKERS

CARGO TANKS 1P4S, 2P4S, 4P4S, 5S — HARD ASPHALT
SAFE FOR HOT WORK
WITH WATER BOTTOM
SAFE FOR WORKERS

WING DOUBLE BOTTOMS #1S, 3S — WITH FIREWATCH & CHARGED
FIREHOSE
SAFE FOR WORKERS
SAFE FOR HOT WORK

WING DOUBLE BOTTOMS #1P, 2P4S, 3P — SOME RESIDUE WITH AIR
VENT (MIN. 1000 CFM)
SAFE FOR WORKERS

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CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-6 of NFPA 306 and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed Dennis Marshall SBA 3-9-90 Date W.B. Hatway #537 Signed W.B. Hatway #537
Name Company Marine Chemist Certificate No.

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

MARINE CHEMISTS, INC. OF TEXAS
P.O. BOX 3602 BEAUMONT, TEXAS 77704
(409) 832-6409, 866-4822, 866-4223
W. B. HATAWAY 537 K. L. MERCER 577

MARINE CHEMIST CERTIFICATE

SERIAL NO. E 35491

SBA S.V.

Survey Requested by

ELIZABETH S

Vessel

HEMALT (3)

Last Three (3) Cargoes

STEWART TRANSPORTATION

Vessel Owner or Agent

TANK BARGE

Type of Vessel

O2/HAZ/VISUAL

Tests Performed

3-16-90

Date

SBA/Texas LA.

Specific Location of Vessel

12:15 PM

Time Survey Completed

STBD FUEL OIL TANK

SAFE FOR WORKERS
SAFE FOR HOTWORK

FORCED AIR VENTILATION REQD. (MIN. 500 CFM)

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CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-6 of NFPA 306 and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed _____
Name

Company

Date

Signed _____
Marine Chemist

Certificate No.

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

SBA S/V
Survey Requested by
AUNTIE MAME
Vessel
ASPHALT (3)
Last Three (3) Cargoes

STEWART TRANS.
Vessel Owner or Agent
TANK BARGE
Type of Vessel
O₂/LEL/VISUAL
Tests Performed

8-23-90
Date
SBA MERMONTAN
Specific Location of Vessel
2:30 PM
Time Survey Completed

FORWARD
NO. 1 P&S DOUBLE BOTTOMS

SAFE FOR WORKERS

SAFE FOR HOT WORK

AIR VENT. (MIN. 500 CFM) REQUIRED

NO. 1 P&S WING TANKS —

FORWARD COTTERMAN —

GENERALLY CLEAN, HAVE

FIREWATCH WITH CHARGED

FIRE HOSE ON STANDBY, THEN

SAFE FOR WORKERS

SAFE FOR HOT WORK

AFTER PUMP ROOM —

WITH WATER BOTTOM,

SAFE FOR WORKERS

SAFE FOR HOT WORK

ON PUNCH RODS

MAIN DECK —

SAFE FOR HOT WORK

ABOVE MAIN DECK

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CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-6 of NFPA 306 and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed Louis Michael SBA 8-23-90
Name Company Date
Signed W.B. Hatway 537
Marine Chemist Certificate No.

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

Survey Requested by SBA S/y Vessel Owner or Agent STEWART Date 8-27-90
Vessel AUNTIE MAHE Type of Vessel TANK BARGE Specific Location of Vessel SBA MEDMENTAL
Last Three (3) Cargoes ASPHALT (3) Tests Performed O₂/I/C/VISUAL/BENZENE Time Survey Completed 12 NOON

ALL CARGO TANKS IDHS

2 DHS, 3C

4 DHS, 5 DHS

HARD RESIDUE, WITH

AIR VENT (MIN 1000 CFM)

SAFE FOR WORKERS

FOR INSPECTION

NO DETECTABLE BENZENE

No. 1 TANK WING TANKS

No. 1 DHS CARGO TANKS

No. 2 DHS WING TANKS

No. 2 DHS CARGO TANK

(3 WIPED AREAS)
PORT SIDE

AREA WIPE IN CARGO TANKS

1 PLACE IN EACH CARGO TANK

WITH FIRMATION WITH CHARGED

FIRE HOSE IN EACH WORK TANK

SAFE FOR WORKERS

SAFE FOR HOT WORK

No. 3C CARGO

(2 WIPED AREAS)
PORT SIDE

ONLY CLEANED AREA SAFE FOR HOT WORK

OVERHEAD ON 2 DRAWING

SAFE FOR HOT WORK ON STATIONION

No. 3 PORT WING

SAFE FOR HOT WORK

TO INSTALL INSERT AT TANK

TOP AROUND MAIN HOLE

No. 2 PORT WING

HAS WATER BOTTOM UP TO ANGLES

STRD SKRC

SAFE FOR HOT WORK

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Signed Louis Marshall SBA Date 8-27-90 Signed W.B. Hataway #537 Certificate No. 537

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

SBA S.V.

Survey Requested by

IRON MIKE

Vessel

ASPHALT (3X)

Last Three (3) Cargoes

Vessel Owner or Agent

TANK BARGE

Type of Vessel

Oz. L.L. Visual

Tests Performed

Date

12-30-92

Specific Location of Vessel

1:00 PM

Time Survey Completed

No. 2 WING TANKS P/S } SAFE FOR WORKERS
AFTER PUMP ROOM } SAFE FOR HOTWORK.

PUMP ROOM INSET IN No. 35
CARGO TANK

SAFE FOR WORKERS
* SAFE FOR HOTWORK

* FIREWATCH WITH CHARGED FIREHOSE REQUIRED.

DOUBLE BOTTOMS UNDER CARGO TANKS
P/S

SAFE FOR WORKERS

No. 3 DOUBLE BOTTOMS P/S } SAFE FOR HOTWORK
FIREWATCH WITH CHARGED FIREHOSE REQUIRED.

FORCED AIR CIRCULATION REQUIRED IN WORK TANK
(MIN. 1000 CFM)

These Certificates are ALL For
Asphalt Barges that we cleaned
For Hot work. For Stewart Transportation
which was sold. (prior to year
with exception of Iron Mike which was
re-named - EX - White name

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 2-3.1 through 2-3.5, and Subsection 6-3.2)

SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met.

ENTER WITH RESTRICTIONS: Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are as specified.

SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

SAFE FOR REPAIR YARD ENTRY: Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or (b) are inerted.

CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-6 of NFPA 306 and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed

Name

Company

Date

Signed

Marine Chemist

Certificate No.

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

SBA S.Y.

Survey Requested by

IRON MIKE

Vessel

ASPHALT (3X)

Last Three (3) Cargoes

Vessel Owner or Agent

TANK BARGE

Type of Vessel

Oil, Fuel, Visual

Tests Performed

Date

12-30-92

Specific Location of Vessel

SBA/Texas 1100 pm

Time Survey Completed

No. 2 WING TANKS P/S } SAFE FOR WORKERS
After Pump Room } SAFE FOR HOTWORK.

Pump Room INSET IN No. 3,5

CARGO TANK

SAFE FOR WORKERS

* SAFE FOR HOTWORK

* FIREWATCH WITH CHARGED FIREHOSE REQUIRED.

DOUBLE BOTTOMS UNDER CRAD TANKS

P/S

SAFE FOR WORKERS

No. 3 DOUBLE BOTTOMS P/S } SAFE FOR HOTWORK

FIREWATCH WITH CHARGED FIREHOSE REQUIRED.

FORCED AIR VENTILATION REQUIRED IN WORK TANK

(MIN. 1000 CFM)

These Certificates are ALL For -
Asphalt Barges - that we cleaned
For Hot work. For Stewart Transportation
which - was sold. Approx. 6 years
with exception of Iron Mike which was
re-named - Ex. Antio Marie

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

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NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

SAFE FOR REPAIR YARD ENTRY: Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or (b) are inerted.

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"The undersigned acknowledges receipt of this Certificate under Section 2-6 of NFPA 306 and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed _____
Name

Company

Date

Signed _____

Marine Chemist

Certificate No

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS